

Associate of Applied Science

TEXAS SOUTHMOST COLLEGE
Science, Technology, Engineering & Mathematics Division

Graduates from the Associate of Applied Science in Computer Information Technology support the Information Technology (IT) operations in productive sectors such as industry, businesses, education, services, and government. Areas of application include computer maintenance, computer networking, databases, and digital media production. Employment opportunities include IT support services technician, computer information systems specialist, and computer technician.

FIRST SEMESTER[COSC 1301](#) Introduction to Computing †[IMED 1416](#) IMED 1416 Web Design I †CIS Elective †¹CIS Elective †¹**SECOND SEMESTER**[ITNW 2405](#) Network Administration †[ITSE 2409](#) Introduction to Database Programming †CIS Elective †¹CIS Elective †¹**THIRD SEMESTER**[COSC 1336](#) Programming Fundamentals I †[MATH 1314](#) College Algebra †[ENGL 1301](#) Composition I †[SPCH 1315](#) Public SpeakingHumanities/Visual and Performing Arts²**FOURTH SEMESTER**Programming Intensive Course †³[ITSE 1450](#) Systems Analysis and Design †[ITSW 2365](#) Practicum – Data Processing Technology/Technician†Social and Behavioral Sciences Elective⁴[ENGL 1302](#) Composition II †**TOTAL CREDIT HOURS FOR GRADUATION – 61 - 63**

« TSI Requirement (Texas Success Initiative - any other State-approved test) - Student must pass all three sections of State-approved test to graduate with this degree.

† Grade of "C" or better is required for graduation.

¹Choose courses from the tracks listed below.

² Humanities / Visual and Performing Arts: Any Humanities and Visual and Performing Arts Elective in the General Education Core Curriculum.

³ COSC 1337 Programming Fundamentals II (recommended) or ITSE 2449 Advanced Visual Basic Programming.

⁴ Social and Behavioral Sciences Elective: Any Social and Behavioral Sciences Elective in the General Education Core Curriculum.

Upon completion of the required courses for the AAS in Computer Information Systems and during the final semester of course work, students will be required to take their final comprehensive evaluation in an Exit Exam.

COMPUTER INFORMATION TECHNOLOGY[ITSC 1425](#) Personal Computer Hardware[ITSE 1431](#) Introduction to Visual Basic Programming[ITSE 2449](#) Advanced Visual Basic Programming[ITSC 1407](#) Unix Operating Systems I[ITSW 2365](#) Practicum-Data Processing Technology/Technician**COMPUTER NETWORK MANAGEMENT AND SECURITY**[ITNW 2413](#) Networking Hardware[ITNW 2412](#) Routers and Switches[CPMT 2434](#) Network Security[ITNW 2453](#) Advanced Routing and Switching[ITNW 2454](#) Internet / Intranet Server**COMPUTER GRAPHICS AND DIGITAL VIDEO PRODUCTION**[ARTV 1441](#) 3-D Animation I[ARTV 2451](#) 3-D Animation II[ARTV 1451](#) Digital Video[ARTV 2441](#) Advanced Digital Video[POFI 2431](#) Desktop Publishing for Office**COMPUTER WEB DEVELOPMENT**[ITNW 2459](#) Web Server Support and Maintenance[ITSE 1411](#) Beginning Web Page Programming[INEW 2434](#) Advanced Web Page Programming[IMED 2415](#) Web Design II[IMED 2409](#) Internet Commerce